

## Claims

- [c1] 1. A touch control panel that provides a shield against ultra-violet rays, comprising: a transparent substrate; a first transparent electrode disposed on the transparent substrate; a contact layer over the transparent substrate; and a second transparent electrode disposed on surface of the contact layer facing the first transparent electrode; wherein at least the transparent substrate or the contact layer is able to shield against ultra-violet rays.
- [c2] 2. The touch control panel of claim 1, wherein the contact layer further includes an ultra-violet ray resisting layer capable of shielding against or absorbing ultra-violet rays.
- [c3] 3. The touch control panel of claim 1, wherein the contact layer further includes a hard coating on the other side of the surface with the second transparent electrode thereon.
- [c4] 4. The touch control panel of claim 1, wherein the space between the first transparent electrode and the second transparent electrode contains a plurality of spacers.
- [c5] 5. The touch control panel of claim 1, wherein the first transparent electrode and the second transparent electrode are made with identical material or different materials.
- [c6] 6. The touch control panel of claim 1, wherein material constituting the contact layer is selected from a group consisting of polyester, glass and glass with a transparent electrode therein.
- [c7] 7. The touch control panel of claim 1, wherein the contact layer and the transparent substrate comprise an optical coating thereon.
- [c8] 8. The touch control panel of claim 1, further includes an adhesion element attached to the edges of the first transparent electrode.
- [c9] 9. The touch control panel of claim 1, wherein both the transparent substrate and the contact layer have ultra-violet ray resisting capacity.

- [c10] 10. A display device structure that resists ultra-violet ray illumination, comprising: a display panel; and a touch control panel over the display panel such that the intensity of ultra-violet rays after passing through the touch control panel is immensely reduced.
- [c11] 11. The display device structure of claim 10, wherein the display panel is selected from a group consisting of an organic light-emitting diode panel, a plasma display panel, a liquid crystal display panel and a cathode ray tube screen display.
- [c12] 12. The display device structure of claim 10, wherein the touch control panel further includes: a transparent substrate; a first transparent electrode on the transparent substrate; a contact layer over the transparent substrate; and a second transparent electrode disposed on the surface of the contact layer facing the first transparent electrode; wherein at least the transparent substrate or the contact layer is able to shield against ultra-violet rays.
- [c13] 13. The display device structure of claim 12, wherein the touch control panel further includes an adhesion element attached to the edges of the first transparent electrode.
- [c14] 14. The display device structure of claim 12, wherein the touch control panel further includes a hard coating on the outward facing surface of the contact layer.
- [c15] 15. The display device structure of claim 12, wherein the space between the first transparent electrode and the second transparent electrode comprise a plurality of spacers.
- [c16] 16. The display device structure of claim 12, wherein both the transparent substrate and the contact layer of the touch control panel have ultra-violet ray resisting capacity.
- [c17] 17. The display device structure of claim 12, wherein the first transparent electrode and the second transparent electrode of the touch control panel is made from identical material or different materials.

- [c18] 18. The display device structure of claim 12, wherein material constituting the contact layer within the touch control panel is selected from a group consisting of polymer resin, glass and glass with a transparent electrode therein.
- [c19] 19. The display device structure of claim 10, wherein the touch control panel is attached to the display panel through double-sided tape.